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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

07/16/2002

John C. Thompson 69 Grayton Road Tonawanda, NY 14150 EXAMINER

KERNS, KEVIN P

ART UNIT CLASS-SUBCLASS

1725 164-268000

DATE MAILED: 07/16/2002

15

I	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
•	00/408 220	02/04/2000	Frank Schoner	STRUITS2	8514

TITLE OF INVENTION: APPARATUS FOR INTRODUCING GRANULAR MOLD FLUX ONTO THE TOP OF A SLAB BEING CAST WITHIN A CONTINUOUS CASTING MOLD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	10/16/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>, THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

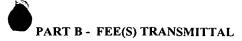
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.





Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Washington, D.C. 20231

Fax (703)746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where

appropriate. All further coindicated unless corrected maintenance fee notification	below or directed otherw:	e Patent, advance order ise in Block 1, by (a) sp	s and notification of pecifying a new co	of maintenance fer rrespondence addi	es will be mailed to the current ress; and/or (b) indicating a sep	correspondence address as arate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE	590 07/16/2002		Block I)	Fec(s) Transmit accompanying p	te of mailing can only be used for tal. This certificate cannot apers. Each additional paper, must have its own certificate of a	be used for any other such as an assignment or	
69 Grayton Road Tonawanda, NY 14150				United States Pos envelope address	Certificate of Mailing or Tran that this Fee(s) Transmittal is stal Service with sufficient posta ted to the Box Issue Fee address USPTO, on the date indicated by	being deposited with the age for first class mail in an above, or being facsimile	
						(Depositor's name)	
						(Signature)	
			Į			(Date)	
APPLICATION NO.	FILING DATE	FIR	ST NAMED INVENT	OR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/498,220	02/04/2000		Frank Schoner	-	ST801US2	8514	
TITLE OF INVENTION: CONTINUOUS CASTING		TRODUCING GRANU	TLAR MOLD FLI	JX ONTO THE	TOP OF A SLAB BEING	CAST WITHIN A	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLI	CATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1280		\$0	\$1280	10/16/2002	
EXAMI	NER I	ART UNIT	CLASS-SUBCL	ASS			
KERNS, K		1725	164-26800				
Address form PTO/SB/1: "Fee Address" indicati	ence address (or Change o	f Correspondence	the names of up or agents OR, single firm (ha attorney or age	on the patent from to 3 registered p alternatively, (2) wing as a member nt) and the name attorneys or ager will be printed.	atent attorneys the name of a or a registered es of up to 2		
been previously submitted (A) NAME OF ASSIGNE	in assignee is identified b to the USPTO or is being E	clow, no assignee data w submitted under separat (B) RI	vill appear on the pecover. Completion	atent. Inclusion of n of this form is No	assignee data is only appropria OT a substitute for filing an assign COUNTRY)	te when an assignment has gnment.	
Please check the appropriate 4a. The following fee(s) are	* * .		ed on the patent) syment of Fee(s):	individual	corporation or other private g	roup entity government	
Issue Fee	chelosed.		heck in the amount	of the fee(s) is end	closed.		
☐ Publication Fee			☐ Payment by credit card. Form PTO-2038 is attached.				
☐ Advance Order - # of C	Copies	☐ The Depos	☐ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number(enclose an extra copy of this form).				
Commissioner for Patents is	requested to apply the Iss				isly paid issue fee to the applicat		
(Authorized Signature)		(Date)					
NOTE; The Issue Fee and other than the applicant; interest as shown by the re	d Publication Fee (if requal registered attorney or cords of the United States	uired) will not be accep agent; or the assignee of Patent and Trademark C	ted from anyone or other party in Office.				
This collection of informa obtain or retain a benefit application. Confidentiality estimated to take 12 minu completed application for case. Any comments on suggestions for reducing the Patent and Trademark Off NOT SEND FEES OR Commissioner for Patents,	tes to complete, including m to the USPTO. Time the amount of time you this burden, should be see ice, U.S. Department of C COMPLETED FORM	FR 1.311. The information file (and by the USPT) 1.122 and 37 CFR 1.14. gathering, preparing, are will vary depending upour require to complete to the Chief Informat Commerce, Washington, S TO THIS ADDRESS.	on is required to O to process) an This collection is and submitting the on the individual this form and/or ion Officer, U.S. D.C. 20231. DO SS. SEND TO:			·	

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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/498,220 02/04/2000		Frank Schoner	ST801US2	8514	
7:	590 07/16/2002		EXAMINER		
John C. Thompso 69 Grayton Road	on		KERNS, KEVIN P		
Tonawanda, NY 14			ART UNIT	PAPER NUMBER	
UNITED STATES			1725		
		Da	DATE MAILED: 07/16/2002		

Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The patent term extension is 0 days. Any patent to issue from the above identified application will include an indication of the 0 day extension on the front page.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO		
09/498,220	02/04/2000	Frank Schoner	ST801US2	8514	
75	90 07/16/2002		EXAMINER		
John C. Thompson 69 Grayton Road			KERNS, KEVIN P		
Tonawanda, NY 14	1150		ART UNIT	PAPER NUMBER	
UNITED STATES			1725		
			DATE MAILED: 07/16/2002		

Notice of Fee Increase on October 1, 2002

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2002, then the amount due may be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on October 1, 2002. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Notice of Proposed Rulemaking, 67 Fed. Reg. 30634, 30636 (May 7, 2002). Although a change to the amount of the publication fee is not currently proposed for October 2002, if the issue fee or publication fee is to be paid on or after October 1, 2002, applicant should check the USPTO web site for the current fees before submitting the payment. The USPTO Internet address for the fee schedule is: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after October 1, 2002 (or mailed with a certificate of mailing on or after October 1, 2002), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Effective October 1, 2002, 37 CFR 1.18 is proposed to be revised to change the patent issue fees as set forth below. As stated above, the final fees may be a different amount, and applicant should check the web site given above when paying the fee.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

By a small entity (Sec. 1.27(a))--\$655.00 By other than a small entity--\$1,310.00

(b) Issue fee for issuing a design patent:

By a small entity (Sec. 1.27(a))--\$235.00 By other than a small entity--\$470.00

(c) Issue fee for issuing a plant patent:

By a small entity (Sec. 1.27(a))--\$315.00 By other than a small entity--\$630.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

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				19.1
· · · · · · · · · · · · · · · · · · ·	Application	No.	Applicant(s)	H 27 (
Notice of Allowability	09/498,220		SCHONER ET AL.	
Notice of Anowasinty	Examiner		Art Unit	
	Kevin P. Ker	ns	1725	
The MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS 5) or other appro RIGHTS. This a	 S) CLOSED in this appriate communication Application is subject to the communication in the communication in the communication is subject to the communication in the communicatio	plication. If not include n will be mailed in due	ed course. THIS
1. This communication is responsive to <u>28 June 2002</u> .				
2. The allowed claim(s) is/are 19-22.				
3. The drawings filed on 21 July 2000 are accepted by the		2440()()		
4. ☐ Acknowledgment is made of a claim for foreign priority ua) ☐ All b) ☐ Some* c) ☐ None of the:	nder 35 U.S.C. §	3 119(a)-(d) or (f).		
1. Certified copies of the priority documents ha	ve been receive	d.		
2. Certified copies of the priority documents ha	ve been receive	d in Application No	·	
Copies of the certified copies of the priority of	documents have	been received in this	national stage applica	tion from the
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
5. Acknowledgment is made of a claim for domestic priority			ional application).	
(a) ☐ The translation of the foreign language provisiona6. ☐ Acknowledgment is made of a claim for domestic priority	• •			
o. M Acknowledgment is made of a claim for domestic priority	under 35 U.S.C	. 99 120 and/or 121.		
Applicant has THREE MONTHS FROM THE "MAILING DATE" below. Failure to timely comply will result in ABANDONMENT				
7. A SUBSTITUTE OATH OR DECLARATION must be sul INFORMAL PATENT APPLICATION (PTO-152) which gives re				NOTICE OF
8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftsp	erson's Patent D	rawing Review (PTC	0-948) attached	
1) hereto or 2) to Paper No				-
(b) including changes required by the proposed drawin		·	• • •	
(c) including changes required by the attached Examin	er's Amenament	/ Comment or in the	Office action of Paper	No
Identifying indicia such as the application number (see 37 CFF of each sheet. The drawings should be filed as a separate paper				
9. DEPOSIT OF and/or INFORMATION about the department department regarding REQUIREMENT FOR				Note the
Attachment(s)				
1⊠ Notice of References Cited (PTO-892)		2 Notice of Inform	al Patent Application (PTO-152)
3 Notice of Draftperson's Patent Drawing Review (PTO-948)		4⊠ Interview Summ	nary (PTO-413), Paper	
 5⊠ Information Disclosure Statements (PTO-1449), Paper No. 7□ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	<u>2</u> .	6⊠ Examiner's Ame 8⊠ Examiner's Stat 9□ Other .	endment/Comment ement of Reasons for	Allowance

Application/Control Number: 09/498,220

Art Unit: 1725

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John Thompson on July 2, 2002.

The application has been amended as follows:

In the claims:

In claim 19, line 18, delete "of said" before "inline".

In claim 20, line 6, replace "he" with --the operator--.

In claim 20, line 8, replace "he" with --the operator--.

The following is an examiner's statement of reasons for allowance: the prior art fails to teach or suggest a continuous casting apparatus with a flux dispensing assembly that includes an inline air pump associated with each delivery tube assembly within the dispensing assembly, and further comprising means connected to each inline air pump to progressively vary the flow rate of the flux.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Application/Control Number: 09/498,220

Art Unit: 1725

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure. The Robak et al. and Tillery et al. references are also cited to

show related art.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Kevin P. Kerns whose telephone number is (703) 305-

3472. The examiner can normally be reached on Monday-Friday from 8:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Tom Dunn can be reached on (703) 308-3318. The fax phone numbers for

the organization where this application or proceeding is assigned are (703) 305-7718 for

regular communications and (703) 305-6078 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 308-

0661.

4rx

kpk

July 3, 2002

M. ALEXANDRA ELVE

Page 3

PRIMARY EXAMINER